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J. M. WHITE

EXTENSION CORD FOR ELECTRICAL APPLIANCES

Filed Feb. 10, 1925

Fig. 1.

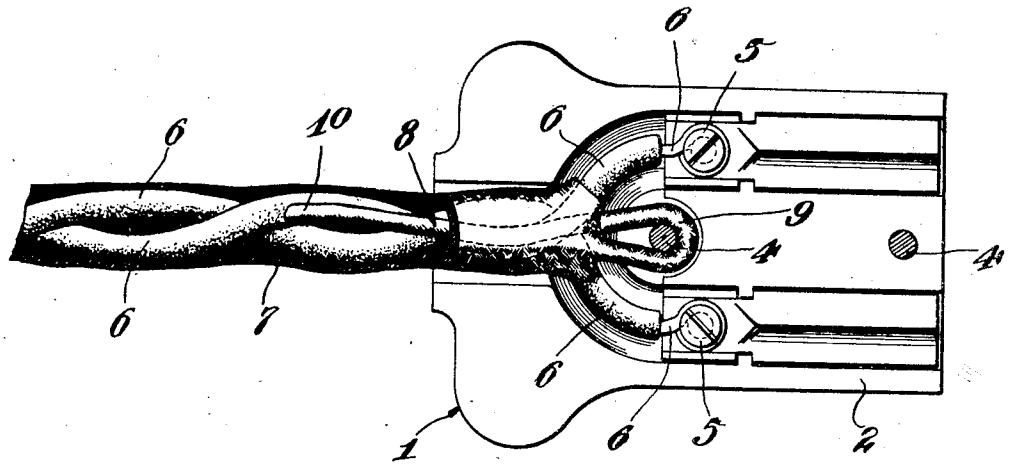


Fig. 2.

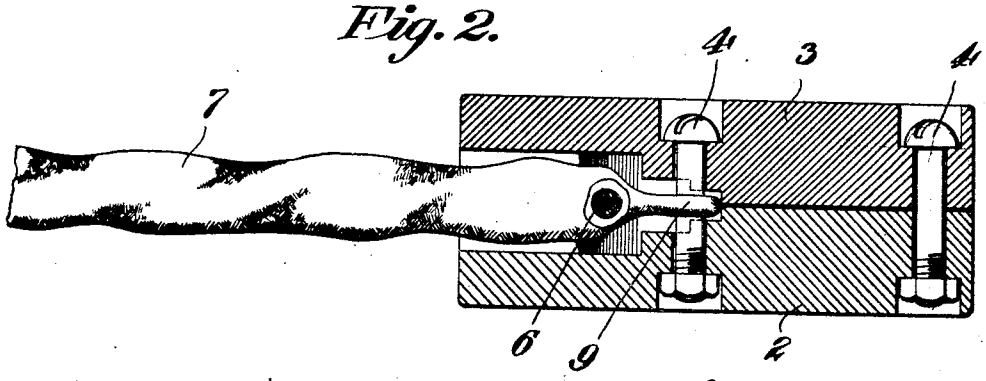
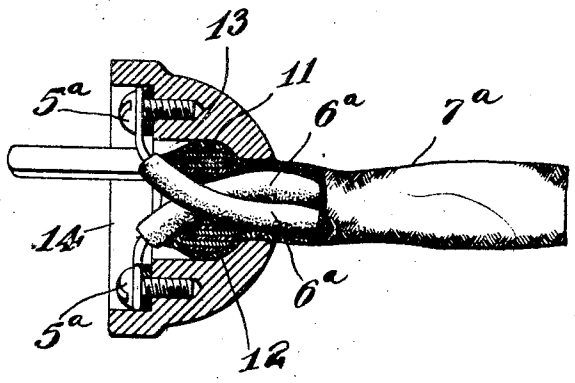


Fig. 3.



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EXTENSION CORD FOR ELECTRICAL APPLIANCES.

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My invention relates to extension cords for electrical appliances.

In the electrical cords now in use, pulling strains on the wires, are transmitted directly to the terminal connections in the plug. This loosens the screws of the connections and allows the ends of the wires to be pulled off. The result is a short circuit which often causes serious injury to the parts around the short-circuited ends.

The objects of my invention are to provide means for connecting the wires to the plug, whereby strains on the wires will be transmitted directly to the plug and the danger of loose ends becoming short circuited avoided.

These objects, and other advantageous ends which will be described hereinafter, I attain in the following manner, reference being had to the accompanying drawing in which

Figure 1 is a sectional plan through a plug showing an extension cord having the electric wires connected thereto in accordance with my invention,

Figure 2 a vertical central section through the plug shown in Figure 1, certain of the parts being shown in full, and

Figure 3 a vertical section through a plug connected at the other end of the extension cord.

Referring to the drawings, 1 indicates a plug made in sections 2 and 3 connected by screws 4. The plug has the usual terminals 5 to which the electric wires 6 are connected. These wires have a covering 7 braided around them. A braided cord 8, which is integral with covering 7, is folded into a loop 9, with its free end 10 placed alongside of, or twisted with, the electric wires 6. Covering 7 is braided around the wires and end 10, and holds the end against slipping. The loop thus formed is strong and practically integral with covering 7. One of the screws 4 which holds the plug sections together is passed through the loop to connect it to the plug. Strains on wires 6 will be taken by the loop and transmitted through the screw directly to the plug.

In Figure 3, a tape 11 or other suitable means is wrapped around the conduit wires 6^a and the covering 7^a braided over the tape. This forms an enlargement 12 which fits within a cavity 13 in a plug 14. The conduit wires are connected to terminals 5^a. Pulls and jerks on wires 6^a are transmitted by the enlargement 12 directly to the plug.

A loop made from the braided covering as above set forth, forms a strong, simple and efficient means for taking strains from the cord and transmitting them directly to the plug, thereby avoiding the danger of disconnected and short-circuited wires.

While I have described my invention as taking a particular form, it will be understood that the various parts may be changed without departing from the spirit thereof, and hence I do not limit myself to the precise construction set forth, but consider that I am at liberty to make such changes and alterations as fairly come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In combination with a terminal plug having wires connected thereto, a covering braided around the wires; a looped cord having one end connected with the covering and having an end secured within the same, and means for connecting the loop to the plug.

2. In an extension cord having a terminal plug, wires connected to the terminal plug and a covering braided around the wires; a looped cord having one end braided to the covering and the other end secured between the wires and the covering, and means for securing the loop to the plug.

3. In an extension cord having a terminal plug made in sections, screws connecting the sections, wires connected to the terminals and a covering around the wires; a looped cord secured to the covering and passing around a screw.

In testimony whereof I have signed my name to this specification.

JESSEE M. WHITE.